

[return to SCIRUS](#)

Current Opinion in Structural Biology

Volume 7, Issue 5, October 1997, Pages 637-644

0959-440X

DOI: 10.1016/S0959-440X(97)80072-3

PII: S0959-440X(97)80072-3

Copyright © 1997 Published by Elsevier Science Ltd. All rights reserved.

Structural and sequence-based classification of glycoside hydrolases

Bernard Henrissat^a and Gideon Davies^b

^a Centre de Recherches sur les Macromolécules Végétales, CNRS, Joseph Fourier Université, BP 53, F-38041, Grenoble cedex 9, France

^b Department of Chemistry, University of York, Heslington, York YO1 5DD, UK

Available online 11 February 2002.

Abstract

The diversity of oligo- and polysaccharides provides an abundance of biological roles for these carbohydrates. The enzymes hydrolysing these compounds, the glycoside hydrolases, therefore mediate a wealth of biological functions. Glycoside hydrolases fall into a number of sequence-based families. The recent analysis of these families, coupled with the burgeoning number of 3D structures, provides a detailed insight into the structure, function and catalytic mechanism of these enzymes.

Abbreviations: HCA hydrophobic cluster analysis; IUBMB International Union of Biochemistry and Molecular Biology

Current Opinion in Structural Biology

Volume 7, Issue 5, October 1997, Pages 637-644

0959-440X

This Document

Abstract

- Abstract + References
- PDF (796 K)

Actions

- E-mail Article

This Document

Abstract

- Abstract + References
- PDF (796 K)

Actions

- E-mail Article

Send [feedback](#) to ScienceDirect

Software and compilation © 2003 ScienceDirect. All rights reserved.

ScienceDirect® is an Elsevier Science B.V. registered trademark.

Your use of this service is governed by [Terms and Conditions](#). Please review our [Privacy Policy](#) for details on how we protect information that you supply.